

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/10410

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 798 765 A (SHINETSU HANDOTAI KK) 1 October 1997 (1997-10-01) figures 1A-1D; example 1 ---	1-46
A	EP 0 825 639 A (SHINETSU HANDOTAI KK) 25 February 1998 (1998-02-25) the whole document ---	1-46
A	US 6 149 987 A (LEE PETER WAI-MAN ET AL) 21 November 2000 (2000-11-21) column 9, line 54 -column 11, line 51; figure 3 ---	1-46
A	US 3 769 104 A (KASANO H ET AL) 30 October 1973 (1973-10-30) the whole document --- -/-	1-46

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

9 December 2003

Date of mailing of the international search report

16/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Nesso, S

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/10410

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 822 588 A (SIEMENS AG) 4 February 1998 (1998-02-04) the whole document ----	1-46
A	US 6 315 826 B1 (MURAMATSU SATORU) 13 November 2001 (2001-11-13) the whole document ----	1-46
A	US 5 562 770 A (CHEN BOMY A ET AL) 8 October 1996 (1996-10-08) the whole document ----	1-46
A	US 5 296 385 A (MOSLEHI MEHRDAD M ET AL) 22 March 1994 (1994-03-22) the whole document -----	1-46

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10410

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0798765	A	01-10-1997	JP	9266175 A	07-10-1997
			JP	3344205 B2	11-11-2002
			JP	9266214 A	07-10-1997
			EP	0798765 A2	01-10-1997
			US	5834363 A	10-11-1998
EP 0825639	A	25-02-1998	JP	3454033 B2	06-10-2003
			JP	10064917 A	06-03-1998
			EP	0825639 A2	25-02-1998
			US	5998283 A	07-12-1999
US 6149987	A	21-11-2000	US	6523494 B1	25-02-2003
US 3769104	A	30-10-1973	JP	49029099 B	01-08-1974
			DE	2114772 A1	28-10-1971
EP 0822588	A	04-02-1998	EP	0822588 A2	04-02-1998
			JP	10074770 A	17-03-1998
			TW	414988 B	11-12-2000
US 6315826	B1	13-11-2001	JP	10223640 A	21-08-1998
US 5562770	A	08-10-1996	JP	3197803 B2	13-08-2001
			JP	8213331 A	20-08-1996
US 5296385	A	22-03-1994	EP	0549995 A2	07-07-1993
			JP	7007005 A	10-01-1995

BEST AVAILABLE COPY